

Tamil Mandram

SRM Valliammai Engineering College, Paarivendhar Students' Tamil association, organized a webinar titled 'Activity and Efficiency in Engineering study' held on 18th July 2020 for +1 and +2 students. The Resource Person was Mr.K.Ganesan, founder of Thirukkural Ulagam Kalvi Salai.

The second session was addressed by Ms.M.Shamini (Alumni), Associate Software Engineer, Accenture who spoke on the topic 'Proud to be an Engineer'.

The third session was addressed by Mr.K.Sankarbabu, third year/ECE who spoke on 'We will create a new world in Engineering'. Mr. K. Shanmugam, AP/CSE & Tamil mandram coordinator of SRM VEC, coordinated the event.

Every Thursday, different Tamil activities such as Speech Competition, Poetry Competition, Debate Competition etc, are conducted by Paarivendhar Student Tamil association for developing the Tamil language skills of the students. Totally four events were conducted in this period by online mode.

Mr. K.Shanmugam, AP, CSE delivered a special address at the workshop on Tamil computing using Python on 8th Aug 2020 organized by Anna University Regional campus, Thirunelveli using online mode. The Dean of the Regional campus appreciated Mr.K.Shanmugam for the interactive and informative session.

SRM Valliammai Engineering College Paarivendhar Students' Tamil Association was conducted a webinar on the topic entitled 'Getting and Learning from Covid-19' for college students and professors through the Microsoft teams app on Friday 7th August 2020. The guest of honour on the occasion was the Hon'ble Principal of the SRM Valliammai Engineering College. Dr.B.Chidambararajan who spoke on the title 'Corona - Pettradhum Kattradhum'.

In his speech, he said, he made it clear that students and professors should be able to fight this disease with determination and to protect ourselves, to reduce stress and make the classes more effective and healthy.

More than 150 professors and students registered and participated in the programme. Mr.K.Sankar Babu, III year/ECE proposed a vote of thanks.

Mr.K.Shanmugam, AP/CSE, participated in a debate show in Tamizha Tamizha, ZEE Tamil television on 6th

August 2020. This event was telecast on 23th August 2020 in ZEE Tamil.

SRM VEC, Paarivendhar Students' Tamil Mandram and Vendhar TV jointly organized an Independence Day pattimandram on 15th August 2020 on the topic (மாணவர்களுக்கு சுதந்திரம் அதிகம் இருப்பது ஆன்லைன் வகுப்பிலா? நேரடி வகுப்பிலா?) Kalaimamani Dr.N.Cheyon, Former Director, All India Radio, Chennai was the judge for this debate. Mr.K.Shanmugam, AP/CSE, Dr.Komala James, Professor & Head/ECE, Dr.T.Isaiarasi, AP/Maths, Mr.Captain Prabakaran, AP/Maths, Mr.Isan Raj, AP/EIE, and Mr.S.Selvaraj, AP/ECE participated in the programme.

SRM VEC, Paarivendhar Students' Tamil Mandram and Vendhar TV jointly organized a Vinayagar Chaturthi pattimandram on 22.08.2020 on the topic 'ஊரடங்கு காலத்தில் குடும்ப உறுவுகளில் பிரச்சனைகளை அனுபவித்தது ஆண்களா? பெண்களா?'. Dr.Vimala Anna Durai, Professor & Head/Tamil Department, Chellammal Women's college, Chennai was the judge for this debate. Mr.K.Shanmugam, AP/CSE, Dr.Komala James, Professor & Head/ECE, Dr.T.Isaiarasi, AP/Maths, Ms.Preethi, AP/ECE, Ms.J.Dharshini/CSE, and Mr.J.Logesh/Civil (Alumini) participated in the programme.

Computer society of India-Division-4 (Communications), Paarivendar Student's Tamil Association, Kanith Tamil Peravai of SRM Valliammai Engineering College organized a National Seminar on Tamil Computing on 12th September 2020 and 13th September 2020 by online through Microsoft Teams which aims to promote the use of Tamil, to raise awareness about the Tamil language, to undertake the studies and internal exercises of the students of all disciplines and to learn the fundamentals and uses of Tamil Computing.

The guest of honour on the occasion was Dr.Ganesan Ambedkar, Dean, Chairman (Board of studies), Department of Dravidian and Computational linguistics, Professor, Dravidan University, Andhra Pradesh. The special guest explained the differential elements in the Tamil words and that only three case makers exist in the differential elements (I, AI, Ku, In, It, kan, ville).

The second day's session was addressed by Mr.Gunasekaran Sinniah, Former Education Technology

officer, Ministry of Education, Singapore and Manager, Training Vision Institute, E-Learning Technology, Singapore entitled 'Virtual Reality and its applications' in Tamil. He also described how to create a lot of children's songs, storytelling videos using Tamil in Augmented Reality (AR) and Virtual Reality (VR) technology, and the Robot, which he created with the help of the Singapore government, called the Kannagi Robot.

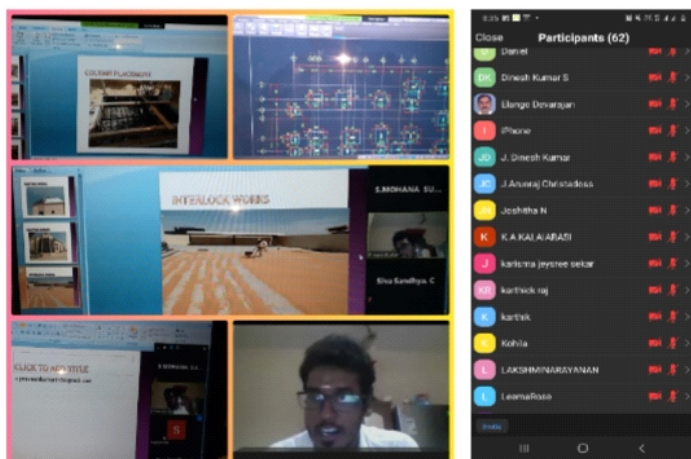
The function was felicitated by SRM VEC, Principal and Chairperson of Computer Society of India Divison-4

(Communication), Dr.B.Chidhambararajan, Dr.M.Murugan and SRM VEC Vice Principal and Vice Chairman of CSI Kanchipuram Chapter Dr.M.Murugan. The function was conducted under the guidance of Dr.B.Vanathi, Managing Committee member of CSI Kanchipuram chapter and Professor & Head, Department of Computer Science and Engineering, SRM Valliammai Engineering College.



Department of Civil Engineering

The Department of Civil Engineering in association with Institution of Engineers (IEI) and Indian Society for Technical Education (ISTE) organized an International Guest Lecture on 'Challenges Faced By Civil Engineers in Construction Field' on 25th September 2020 on Zoom Platform. Around 70 participants participated in this guest lecture. The Guest speaker was Mr.T.H.Praveen Kumar, PG alumni from 2016 batch, Project Engineer, Abdul Khaliq Building Contracting LLC, Sharjah, UAE.



International Guest Lecture on 'Challenges Faced by Civil Engineers in Construction Field'

National Highway Authority of India collaborated with our college by providing in-plant training for our students in their upcoming project in NH-45 Tambaram-Tindivanam.

From July to September, all the faculty members actively participated in many Webinars, FDP, Quiz and Conferences.

Department of Computer Science and Engineering

Ms.K..Devi and Dr. B. Muthusenthil/ Asso.Prof., published a paper on 'Deep Learning Based Security Model for Cloud based Task Scheduling' in the KSII Transactions on Internet and Information Systems Vol. 14, No. 9, Sep. 2020.(SCI publication and Annexure-1)

Dr. A. Samydurai/ Asso.Prof, published a paper on 'Adaptive deep convolution neural network- based secure integration of fog to cloud supported Internet of Things for Health monitoring system' in the Transaction on Emerging

Telecommunications Technologies, Vol.31, Issue 10.(SCI Publication and Annexure-1)

Dr. D. Kavitha/ AP, published a paper on 'IoT based home monitoring system with data storage by Keccak-Chaotic sequence in cloud server' in the Journal of Ambient Intelligence and Humanized Computing, Springer Berlin Heidelberg. (SCI Publication and Annexure-1)

Dr. D. Kavitha/ AP, published a paper on 'Designing an IoT based Autonomous Vehicle meant for detecting speed dumps and lanes on roads' in the Journal of Ambient Intelligence and Humanized Computing, Springer Berlin Heidelberg. (SCI Publication and Annexure-1)

Dr.B.Chidambararajan/ Professor and Dr.M.Senthil Kumar/ AP, published a paper on 'Intelligent Big Data Domain for R-fMRI Big Data Preprocessing-An Optimized Approach,' in the Intelligence in Big Data Technologies, pp 433-441 Springer Link.

Dr.B.Chidambararajan/ Professor and Dr.M.Senthil Kumar/ AP, published a paper on 'FCM Based Segmentation and Neural Network Classification of Tumor in Brain MRI Images,' in the Intelligence in Big Data Technologies, pp-371-378, Springer Link.

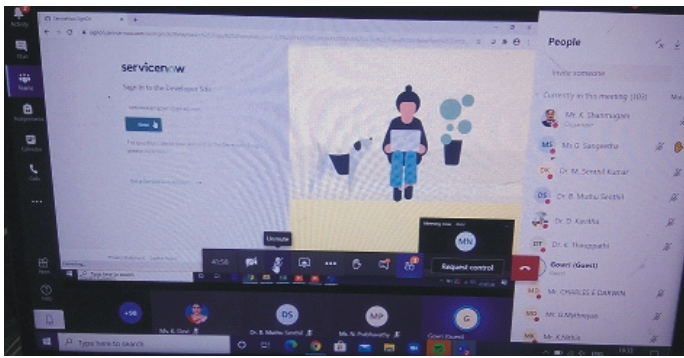
Dr.B.Chidambararajan/ Professor and Dr. M. Senthil Kumar/ AP, published a research article on 'Application of Digital Twins in Industrial Technologies' in the CSI communications, July 2020.

Dr.M.Senthil Kumar/ AP and M.Rajakumar (UG student) published a research article on 'Virtual Reality and its Applications in Education, Healthcare and Agriculture' in the CSI communications, July 2020.

Dr. B. Muthusenthil/ Asso.Prof delivered an expert session in the Webinar 'Data and Analytics: AWS Service' on 22nd July 2020 at SAGE University, Indore.

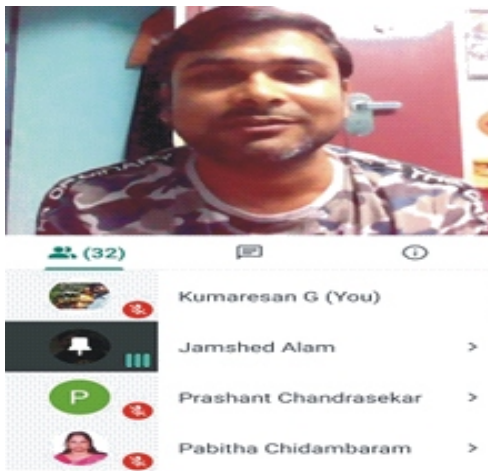
Mr.K.Shanmugam/ AP delivered a lecture in the Webinar 'Tamil Computing in Python' on 8th August 2020 at Anna University Regional Campus, Tirunelveli.

A Value Added Course was conducted on the topic 'Service now Administration in cloud' in association with Computer Society of India and ISTE from 6th July 2020 to 14th July 2020, via Microsoft Teams for II, III and IV year students of the department. Ms.Gowri Seshasalam (Alumni student-2012 batch), Associate Role-Senior Infrastructure developer, delivered the lecture.



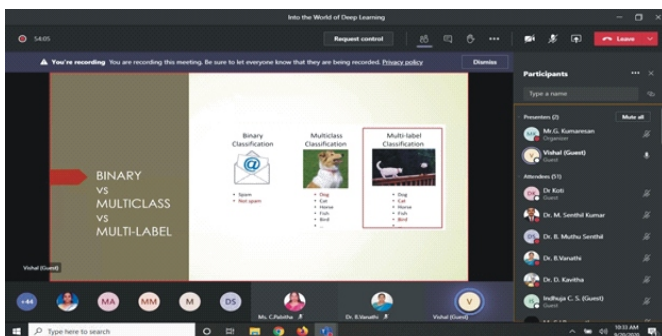
Value Added Course on 'Service now Administration in Cloud' in association with CSI and ISTE

A digital alumni reunion was conducted on 11th July 2020. The Chief Guests were Mr.Anish Bharathwaj, senior software Engineer,Accenture and Jamshed Alam, Associate Engineer, Cognizant, SRMVEC, Alumni of 2012.



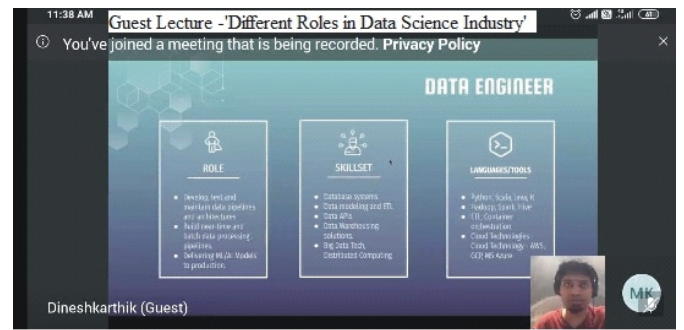
Digital Alumni Reunion

A Webinar was conducted on the topic 'Into The World Of Deep Learning' in association with Computer Society of India and ISTE on 20th September 2020 , via Microsoft Teams for II, III and IV year students of the department. Mr.A. Vishal, Research Assistant at Illinois Institute of Technology, Greater Chicago Area, a 2017 batch alumnus was the Resource person.



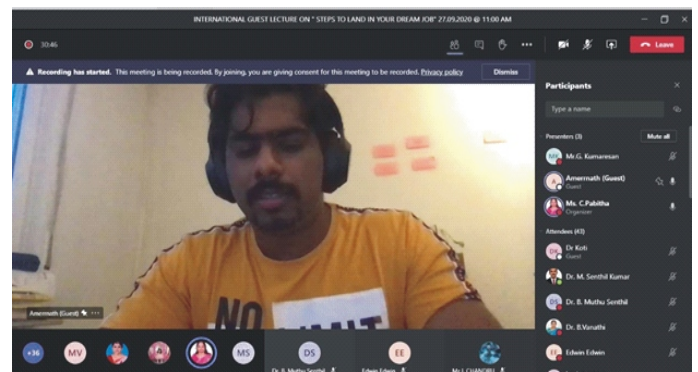
Webinar on 'Into The World Of Deep Learning'

A Guest Lecture on the topic 'Different Roles in Data Science Industry' was conducted in association with Computer Society of India CSI and ISTE on 13th September 2020, via Microsoft Teams for II, III and IV year students of the department. Mr.R.Dinesh Karthik, Senior Data Engineer at Zalando SE, Berlin Area, Germany and a 2013 batch alumnus delivered the talk.



Guest Lecture on 'Different Roles in Data Science Industry'

An International Alumni Guest Lecture was conducted on the topic 'Steps To Land In Your Dream Job' in association with Computer Society of India CSI and ISTE on 27.09.2020 via Microsoft Teams for II, III and IV Year students of the department. Mr.M.Amerrnath, Front End Developer at CLARK, Frankfurt, Hesse, Germany and 2013 batch alumnus delivered the lecture.



International Alumni Guest Lecture on 'Steps To Land In Your Dream Job'

National Service Scheme

The theme of the 23rd National Youth Festival 2020 is 'fit Youth Fit India' in pursuance of the goal of Hon'ble Prime Minister Narendra Modi for New India to be a fit India. A six day 'Fitness week' was organized by the NSS Unit of SRM Valliammai Engineering College programme from 5th September 2020 to 10th September 2020. The objective of this programme was to make every NSS volunteer aware of physical and mental fitness. They were six different fitness programmes like Yoga, Stretch, Skipping, Exercise, Jogging, and Solo Run which were planned and executed for six days.

National Service Scheme unit of SRM Valliammai Engineering College celebrated NSS Day on 24th September, 2020 at 6.30pm. The programme was held in the form of a webinar on Microsoft Teams Platform.

The NSS Programme Officer shared his experience in NSS and spoke on the topic 'NSS and me'. He also spoke about healthy youth for a healthy society while reviewing the impact of FIT INDIA Campaign.

After the formal function, an Audio-Video was played about the FIT INDIA Campaign undertaken by the various NSS volunteers from 05th September 2020 to 15th September 2020. Then the volunteers shared their experiences about the impact of FIT INDIA Campaign. Some other NSS Volunteers described at length their painstaking experiences during the special camps especially during the renovation of 6 homes and completion of 25 toilets in the adopted villages.



National Cadet Corps

NCC Naval organized the group level (Madras 'B') Webinar on 'Elements of Basic Physical Fitness and Developments' for the NCC cadets on 8th September 2020. Students from various colleges from Chennai participated.

Dr.N.Ganapathy, Director of Physical Education, SRM Valliammai Engineering College delivered a lecture emphasising the importance of physical fitness for each individual and encouraged everyone to involve in fitness activities for half an hour to one hour every day.

Finally 'Fit India' pledge was taken and a vote of thanks was proposed by LC Vishnu JM, NCC cadet, and the whole programme was hosted by NC1 Shamine, NCC cadet. The overall event was organized by Sub. Lt. R.Sankaranarayanan, Associate NCC officer.

EDITORIAL

The Chief Editor : **Dr. B. Chidhambara Rajan**, Principal, VEC
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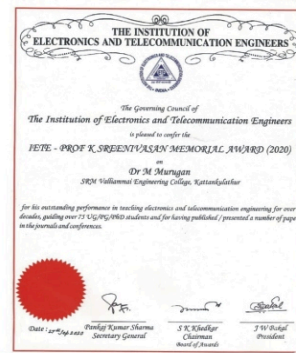
Department of Electronics and Communication Engineering

The Dept. of ECE conducted a Live Value Added Course on 'Digital Signal Processing using Python' from 6th July 2020 to 14th July 2020 for all the ECE staff members and 80 students.

The course sessions was handled by Dr. J. Britto Pari, Dept of ECE, Presidency University, Bangalore. The programme was successfully completed and organized by Mrs.S.C.Prasanna, AP, Mrs. V. P. Sandhya, AP and Mrs.S.Surabhi, AP.

The Dept. of Medical Electronics conducted a live Value Added Course on 'Machine Learning for Medical Image Analysis using MATLAB' from 6th July 2020 to 13th July 2020 for all the ECE staff members and 120 students. Mr. A. Pandian, AP/ECE, SRMVEC engaged the live sessions with Virtual Matlab Tool demonstration through an open source platform. The programme was organized by Mr. A. Pandian, AP, and Mrs. K. Arthi, AP.

The Dept of ECE and Medical Electronics organized a talk on 'Self-Motivation' for second year ECE & Medical Electronics students in the online mode via Microsoft Teams on 15th July 2020. Dr. Komala James, Prof & Head delivered a speech on 'Self Motivation' to the students with encouraging examples from her own life and discussed the importance of positive thinking & attitude. Dr. G. Udhayakumar, Asso Prof highlighted the general information about the department activities. Mrs. N. Subhashini, AP briefed the audience with the information about IET membership and about the 'Research & Development' activities being done in the department. The programme was coordinated by Ms.K.Durgadevi, AP.



63rd Annual IETE Convention and Awards Ceremony : 27th September 2020

Dr. M. Murugan, Prof & Vice Principal has been honoured with 'IETE Prof K.Sreenivasan Memorial Award (2020)' for his outstanding performance in teaching Electronics and Telecommunication Engineering for over 3 decades, guiding over 75 UG/PG/PhD students and for having published / presented a number of papers in journals and conferences. This award was conferred by the Governing Council of the Institution of Electronics and Telecommunication Engineers (IETE) on 27th Sept. 2020.

The Dept of ECE conducted a motivational talk on 'Career Opportunities & Success in Life' as a part of the bridge course for third year students (123) in online mode via Microsoft Teams in association with ISTE Chapters & IETE students' forum on 16th July 2020. The Chief Guest Mr.A.B.Goutham, HR Business Partner, Capgemini, Chennai, delivered a speech on career opportunities, growth, virtual corporate visit and how to find a balance in life. The webinar was coordinated by Dr. S. Ramesh, Assoc Prof and Mr. C. Satheeswaran, Asst Prof.

The Dept of ECE conducted a motivational talk on the 'Guidance and Career opportunities in Digital Marketing' as a part of the bridge course for final year students (152) in online mode via Microsoft Teams in association with ISTE Chapters & IETE students' forum on 20th July 2020. The Chief Guest Mr. Dinesh Thangappan, Digital Marketing Manager, UAE, Dubai and Alumnus (2007-2011) delivered a speech on the career opportunities in Digital marketing, and about websites, placements and online file uploads for the students in online mode via MS Teams platform.

Dept of ECE conducted a Guest Lecture on 'Higher Education and Career Guidance' on 26th September 2020 via Microsoft Teams Channel. The Guest Speaker Mr.K.R.Raakesh Raja, Automotive Software validation Engineer (Alumnus 2017) at Lucid Motors, San Francisco, United States of America delivered a speech on 'Higher education, employment possibilities during and after MS, opportunities in Automotive Industries and Electric Vehicle Industry growth in future'. The event was coordinated by Dr.C.Amali, AP and Mr.R.Nagaraj, AP.

Dr. B. Chidambararajan, Prof & Principal, Chairperson Division Communication, Computer Society of India was the Resource Person for the National Level Webinar on 'The Bright Side of Covid-19: Opportunities' conducted in online mode via Microsoft Teams on 23rd July 2020

Dr. B. Chidambararajan, Prof & Principal was the Resource Person for the Tamilmandram webinar on 'Corona Pettradum! Kattradum!!' conducted in the online mode via Microsoft Teams on 07th August 2020.

Dr. B. Chidambararajan, Prof & Principal was the Resource Person for the webinar 'The Excellence in Teaching and Learning' conducted in connection with Teachers' day in the online mode through Microsoft Team organized by ISTE on 07th August 2020.

Dr. M. Murugan, Prof & Vice Principal delivered a lecture on 'New Avenues in the Field of Engineering' in the online mode through Colledgeunia Connect platform on 28th August 2020.

The ECE Department faculty members and Students participated in a Short Term Course on 'Learn to Design your Own Solar Home System' to get awareness on Solar Energy Engineering organized by Energy Swaraj Foundation Energy by Locals for Locals as part of Energy Literacy Drive in July 2020.

Dr. Komala James, Prof & Head, delivered a Motivational Talk on 'Successful outcomes, Excellent Performances Career Opportunities' for second year ECE & Medical Electronics students.

Mrs.S.R.Preethi, AP and Mr.G.Rameshkumar, Programmer designed and developed a project on 'Touchless Dispensing Sanitizer' at the cost of Rs.900/- in July 2020.

Dr. Komala James, Prof & Head attended a webinar on 'Innovation & How to Create a Better Tomorrow' on 01.08.2020 organised by Axis Global Institute of Industrial Training.

Mr. A. Pandian, AP presented a Ph.D Programme Seminar for Confirmation of Provisional Registration on 'Analysis of Multiple sclerosis lesions in Brain MRI Images using Segmentation methods and Machine Learning Techniques' on 03.08.2020 in online mode via Microsoft Teams under the supervision of Dr.G.Udhayakumar, Associate Professor.

Dr.Komala James, Prof & Head, Mr.M.Selvaraj, AP participated in the Special Pattimandram debate on the title 'Which mode of Teaching is best: Online mode or Offline mode?' held on 12th August 2020 at Vendar Television on the occasion of Independence Day.

Dr. Komala James, Prof & Head, Mrs. S. R. Preethi, AP participated in the Pattimandram debate on the title 'Who is facing more problems in the family during Corona Lockdown - Gents or Ladies?' held on 17th August 2020 at Vendhar Television during Ganesh Chaturthi celebrations.

Mrs.S.R.Preethi, AP has been shortlisted as NPTEL Translator (Id: Tran2309) in September 2020 and she may proceed with the translation process of NPTEL lectures for the upcoming years.

Dr. S. Ramesh, Asso Prof filed an Innovative Patent on 'Design and Implementation of a Disaster Management

System using IoT and Cloud Computing Techniques for a Connected Building to save lives with early Warnings' and the Commissioner of Patent granted the patent (No:2020101867) on 9th September 2020.

Dr. N. Usha Bhanu, Prof attended a one week webinar on 'Art of Patent Drafting- Better protection to the invention' conducted by FACADE Technologies, Chennai during 6th July 2020 to 11th July 2020. She also participated in an online workshop on 'How to publish research articles with high impact factor powered by Web of Science' conducted by SRMIST, Ramapuram campus, Chennai on 30th July 2020.

Dr. S. Ramesh, Asso Prof participated in webinars on different streams such as Spit Free India Movement, Space Applications to a Common Man, MEMS Technology for Microwave Engineering, Data Science & Implementation of Advanced Encryption Standards Aspects, 5G: The Propeller of SDG 2030, Antenna Design and Troubleshooting and Open Indea Open Imagination organized by reputed institutions across India in July 2020.

Dr. N. Subhashini, AP attended webinars on IPR and Patents, Career Opportunities in Data Science & Implementation of Advanced Encryption Standards Aspects organized by HRIT Group of Institutions, Lucknow and VELS Institute of Science, Technology and Advanced Studies, Chennai respectively in July 2020.

Mr.C.Saravanakumar, AP attended a TEQIP III sponsored STTP & STC on 'Emerging Trends in VLSI, Low Power VLSI Design for Communication Systems and Networks' organized by Sardar Valabhai National Institute of Technology, Surat and Dr.B.R.Ambedkar National Institute of Technology, Jalander respectively. He also participated in three webinars on Nanoscale CMOS Circuits Power Management Analysis Using Tanner EDA, IEEE Xplore Digital Library for Academics & Research, FPGA Design organized by reputed institutions in India in July 2020.

Mrs. R. Birundha, AP attended webinars on Coping with Stress, Gender Sensitization and Empowerment of Women organized by SRM Arts and Science College and Guru Nanak College respectively on 3rd July 2020.

Mr. R. Nagaraj, AP attended a six day FDP on 'Advanced Communication Laboratory' and webinar on 'Nanometer Scale Circuit Design And Simulation Using Tanner EDA' organized by PSNA College Of Engineering & Technology and Scad College of Engineering and Technology respectively in July 2020.

Dr. S. Ramesh/Asso Prof published a paper on the 'Non-Radiating Edges Gap Coupled Microstrip Antenna for Wireless Body Area Communications' in the International Journal of IJADST in July 2020.

Dr. G. Udhayakumar Asso.Prof delivered a Technical Talk on the 'Empirical Mode Decomposition' to enhance the skill on the adaptive time-space analysis and HilbertHuang transform on 1st September 2020.

Mr.V. Suresh Kumar AP delivered a Technical Talk on the 'VLSI Testing Strategies' to bring an awareness on the steps involved in the testing process such as wafer sort, Burn in, verification and manufacturing etc. on 8th September 2020

Mr.C.Satheeswaran AP delivered a Technical Talk on 'Artificial hand using embedded system' for the faculty and the students to improve their technical skill in Robotics and Automation Engineering systems on 15th September 2020.

Mrs. S. Surabhi, AP delivered a Technical Talk on the 'Prediction of Chronic Kidney Disease using Adaptive Hybridized Deep Convolutional Neural Network on the Internet of Medical Things Platform' for the students and staff members to update and enhance their knowledge in new technological trends on 3rd September 2020.

Ms. V.P Sandhya, AP delivered a Technical Talk on 'Human Area Network' which proclaims a model of a human area networking technology that enables communication by touching sense for the staff to enhance their knowledge in Medical Electronics on 10th September 2020.

Ms. K. Soundarya, final year student was recruited as a Software Trainee with 3.5 Lacs per annum package by the Ava software Pvt. Ltd, Chennai on 22nd July 2020.

Preethi S.R.(Research Scholar & AP/ECE), Murugan M. (Prof/ECE) and Revathi A. R. (Asso.Prof/IT), authored a Book Chapter "Review of Intellectual Video Surveillance Through Internet of Things" in the Book 'The Cognitive Approach in Cloud Computing and Internet of Things Technologies for Surveillance Tracking Systems', Chapter 10, Intelligent Data-Centric Systems, pp.141-155, 2020, Pub. Elsevier, Edited by Dinesh Peter et. al. <https://doi.org/10.1016/B978-0-12-816385-6.00010-6>.

Mayuranathan M. (Research Scholar & AP/CSE), Murugan M. (Prof/ECE), and Dhanakoti V. (Asso.Prof/CSE), authored a paper titled "Enhanced security in cloud applications using emerging blockchain security algorithm", Journal of Ambient Intelligence and Humanized Computing, <https://doi.org/10.1007/s12652-020-02339-7>.

Murugan M. (Prof/ECE) co-authored a paper entitled "A Novel Image Compression Model by Adaptive Vector Quantization: Modified Rider Optimization Algorithm", Sādhanā 45, 232 (2020). <https://doi.org/10.1007/s12046-020-01436-9>.

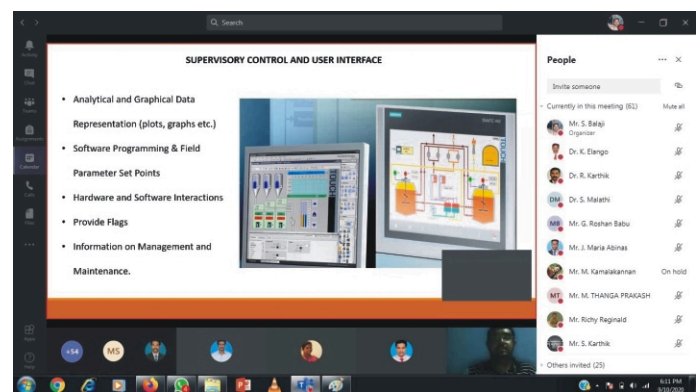
Murugan M. (Prof./ECE) co-authored with Balaji V.R. (Former Research Scholar/ECE) on a paper titled "Design and Analysis of Waveguide Taper for Photonic Crystal Demultiplexer" Silicon, September 2020. <https://doi.org/10.1007/s12633-020-00678-w>

Porselvi, R. (Research Scholar/ECE, Murugan M., et al. authored a paper on "Channel Parameters Analysis Using Cognitive Radio Wireless Sensor Network (CR-WSN) for Wireless Communication" i-manager's Journal on Wireless Communication Networks, 8(2), pp.20-28, 2019. <https://doi.org/10.26634/jwcn.8.2.16796>

Poornima, N. (Research Scholar & AP/CSE), Murugan, M. (Prof./ECE), & Kumar, N. S. (Student) published a paper on "Improved Gesture Precision Virtual Personal Assistant (IGP-VPA) System for Speech Impaired People" in i-manager's Journal on Pattern Recognition, 6(2), pp.17-24, 2019. <https://doi.org/10.26634/jpr.6.2.16754>

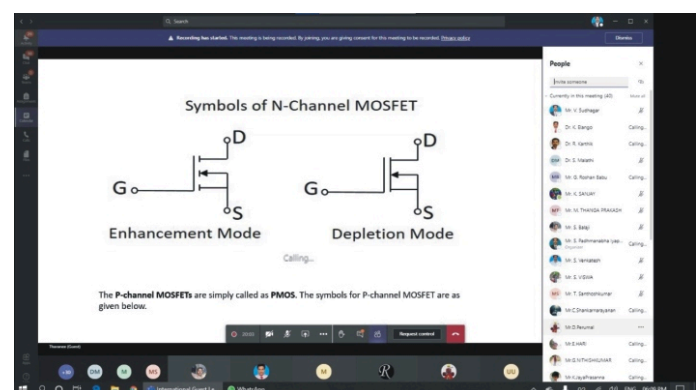
Department of Electrical and Electronics Engineering

An International Guest Lecture was conducted on the topic 'Scada Systems and Smart Grid Vision' on 10th September 2020 through MS Teams (Online mode). The session was handled by the Resource Person Mr.S.Sornakanth, B.E., Electrical Estimation Engineer, Al Safar United, UAE, who is the alumnus of our college.



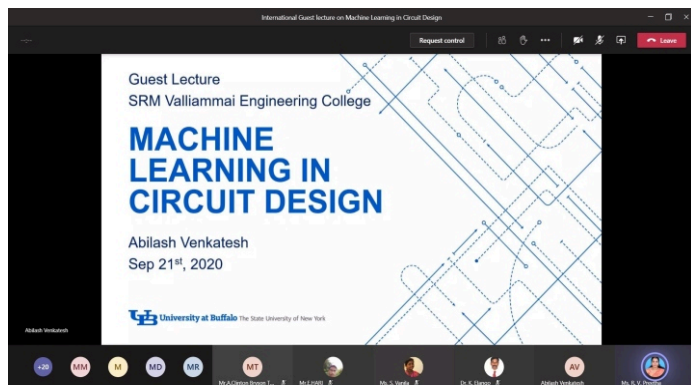
International Guest Lecture on 'Scada Systems and Smart Grid Vision'

An International Guest Lecture was organised on the topic 'Advancement in MOSFET Technologies' on 15th September 2020 through MS Teams. The session was handled by the Resource Person Mr.Thavarasan Tharaneetharan, B.E., (Alumni), Software Developer, Stevens Creek Blvd, San Jose, USA.



International Guest Lecture on 'Advancement in MOSFET Technologies'

An International Guest Lecture was conducted on the topic 'Machine Learning in Circuit Design' on 21st September 2020 through MS Teams. The session was handled by the resource person Mr.V.Abilash, M.S., (Alumni), Quality Engineer, Signal Integrity, MathWorks, USA.



International Guest Lecture on 'Machine Learning in Circuit Design'

Department of Electronics and Instrumentation Engineering

The Dept. in association with the ISA VMEC Student Charter and ISTE organized the following programmes:

- Motivational Talk delivered by Mr. Gregory Manoj Senior Manager, Allsec Technologies Ltd., Chennai on 22nd July 2020 for the benefit of EIE students.
- Guest Lecture on 'Role of Instrumentation in Process Industries' delivered by Mr. Jagadessh Ganesan (EIE Alumnus/ 2002-2006 Batch), Project Manager, BHP Billiton, Western Australia, on 13th September 2020 for the benefit of EIE students.
- Guest Lecture on 'Agile in Software Development' delivered by Mr. Senthilkumar Ulagappan (EIE Alumnus/ 2002-2006 Batch), Test Manager, Royal Bank of Scotland, Edinburgh (UK), on 19th September 2020 for the benefit of EIE students.
- Guest Lecture on 'Open source software technology in divergent perspectives' delivered by Mr. Gnana Prasanna Gnanaraj (2009-2013 BATCH) SRM VEC Alumnus, Software Engineer & Tech Lead, Alphasights Ltd, London, on 27th September 2020 for the benefit of EIE students.

Mr. M. Arunraj, Dr. Andy Srinivasan and Mr. S. P. Arjunan published a paper on 'A Real-Time Capable Linear Time Classifier Scheme for Anticipated Hand Movements Recognition from Amputee Subjects Using Surface EMG Signals' in Elsevier, doi: <https://doi.org/10.1016/j.irbm.2020.08.003>, on 13th August 2020.

Mr. M. Arunraj, Dr. Andy Srinivasan and Mr. Sridhar P. Arjunan published a paper on 'A Real-Time Capable Linear Time Classifier Scheme for Anticipated Hand Movements Recognition from Amputee Subjects Using Surface EMG Signals' in Research gate, doi: 10.1016/j.irbm.2020.08.003, in August 2020.

Dr. Andy Srinivasan and Mr. N. Sowrirajan published a paper on 'Neural Networks Based Control of Nonlinear Process' in i-manager's Journal on Instrumentation and Control Engineering (JIC), Volume No.7, Issue No.4, in August - October 2020.

Department of Information Technology

A Webinar on 'Web Application Deployment using Advanced JS' was organized on 26th September 2020 for the staff and students (Internal and External) and the Resource Person was Mr. Ramprakash Mahendran, Senior Software Engineer, Innova Solutions Taiwan Limited, Taipei, Taiwan. (Alumni of Batch: 2007-2011) and the coordinators were Dr. S. Ravikumar, A.P. and Ms. S. Sandhya, A.P.

A Guest Lecture on the 'Recent Trends in Software Architecture and Digital Twin' was organized on 19th September 2020 for the staff and students (Internal and External) and the Resource Person was Mr. Loganathan. G.M, Tech/Solution Architect, Manager-IT, Accenture, Sydney, Australia (Alumni of Batch: 2005-2009) The coordinators of the event were Dr. S. Ravikumar, A.P. and Ms. R. Saranya, A.P.

A Motivational Talk on 'Art of Designing your Career' was organized on 18th July 2020 for Third Year IT students and the Resource Person was Mr. Madhur Jain, Senior Data Scientist, Wolters Kluwer India Pvt. Ltd and the coordinator was Dr. S. Ravikumar, A.P.

A Motivational Talk on 'Ansible Automation Tool' was organized on 18th July 2020 for Final Year IT students and the Resource Person was Mr. Raja Raman, Technology Lead, Infosys Ltd. The coordinator for the event was Dr. S. Narayanan, A.P.

A Motivational Talk was organized on 15th July 2020 for Second Year IT students and the Resource Person was Dr. A. R. Revathi, Asso. Prof. and the coordinator was Dr. S. Jeyalakshmi, A.P.

A value added course on 'Machine Learning for Data Science and Analytics' was organized from 6th July 2020 to 14th July 2020 for students and staff and the Resource Persons were Mr. Madhur Jain, Senior Data Scientist, Wolters Kluwer India Pvt. Ltd, Dr. A. R. Revathi, Asso. Prof, Dr. S. Sekar A.P, Ms. S. Shenbagavadivu A.P. and Mr. G. Vivekanandan, A.P. The coordinators were Dr. A. R. Revathi, Asso. Prof. and Dr. S. Sekar, A.P.

A webinar on 'Artificial Intelligence and Data Science with Real World Applications' was organized on 11th July 2020 and the Resource Person was Sivasankar Ramamurthy, Tech Leader @ Motorola Solutions/Zebra Technologies, Ex Samsung R&D, Bangalore. The coordinators were Dr. S. Sekar A.P, and Ms. S. Sandhya, A.P.

A one day Digital Alumni Reunion on 'IT Industry Post COVID-19' was organized on 5th July 2020 for the Alumni of IT Department and the Resource Person was Mr. Arunachalam Jeyaraman, General Manager, Tata Communication, Chennai and the coordinators were Dr. S. Ravikumar, A.P., Dr. S. Jeyalakshmi A.P. and Ms. R. Lakshmi, A.P.

A webinar on 'Integration of Data Science and Related Technologies with Business Needs' was organized on 4th July 2020 and the Resource Person was Mr.R.Sheshadhri, Software Engineer, Internet Research Bureau, New Delhi .The coordinators were Ms.R.Shanthi, A.P., and Ms.R.Saranya .P

Dr.A.R.Revathi, Asso. Prof. published an article titled the 'Virtual Reality Role in the World' in CSI Communication Computer Society of India, ISSN: 0970-64-7x Vol. No. 44, Issue No.03, July 2020.

Dr.A.R.Revathi, Asso. Prof. published an article titled an 'Open Source Software :Freedom to use' in CSI Communication Computer Society of India, Cover Story, August 2020.

Dr.A.R.Revathi, Asso. Prof. published an article titled the 'Hurried Look of Digital Twin' in CSI Communication Computer Society of India , Cover Story, September 2020.

Dr.S.Ravikumar, A.P. published an article titled the 'Designing an IoT based Autonomous Vehicle meant for Detecting Speed Bumps and Lanes on Roads' Journal of Ambient Intelligence and Humanized Computing, Springer Berlin Heidelberg, July 2020.

Dr.S.Ravikumar, A.P. published an article titled 'IoT based Home Monitoring System with Secure Data Storage by KECCA-K-Chaotic Sequence in Cloud Server' in the Journal of Ambient Intelligence and Humanized Computing, Springer Berlin Heidelberg, August 2020.

Mr.K.Elaiyaraja, A.P. and Ms.S.Sandhya, A.P. published a book chapter in Springer titled 'Intelligent Big Data Domain for R-fMRI Big Data Preprocessing- An Optimized Approach' and 'FCM-Based and Neural Network Classification of Tumor in Brain MRI Images' in Advances in Intelligent Systems and Computing book series AISC, Volume 1167 on 26th July 2020.

Dr.A.R.Revathi, Asso. Prof. delivered a lecture on 'Image Denoising' in the Online Short term Training Programme on 'Medical Image Analysis' organized by Dept of Electronics and Communication Engineering, V.S.B. Engineering College, Karur on 14th September 2020.

Mr.R.Sankaranarayanan, A.P and Mr.G.Vivekanandan, A.P were the Resource Persons in a Webinar on 'Hacking and its Preventive Techniques (Hands on Session)' organized by SRM VEC CSI Student Branch on 8th August 2020.

Staff were involved in the following events, Online FDP 05, Online Course/ Training 25, Webinar 80, Quiz 01 & International Conference - 01.

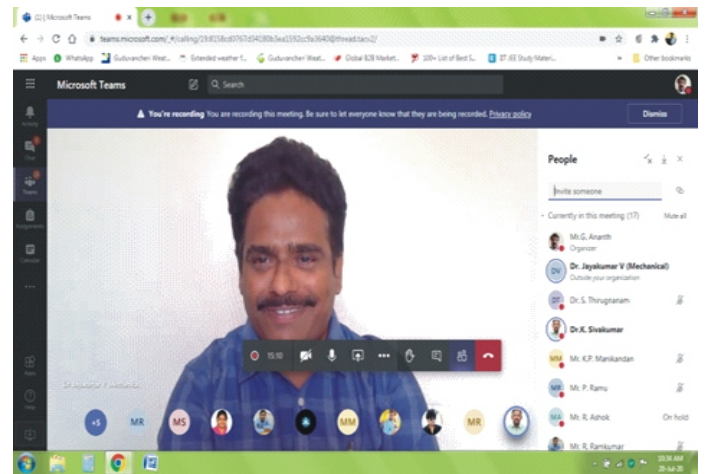
Ms.S.Shenbagavadivu A.P, received an appreciation Certificate from NPTEL for translating the files of the course 'Computer Vision' (106105216) on 28th September 2020 offered by IIT Kharagpur.

Students participated in the following events, Webinar - 54, Publication - 01, Online Exam/ Certification Exam - 112, Quiz - 07, Poster Presentation - 01, Guest Lecture - 01 & Internship - 02.

Department of Mechanical Engineering

An 'Online science quiz programme for the 11th and 12th students was conducted on 17th July 2020 which was very much related to life science, fundamentals of Physics and Chemistry. More than 30 students from all over Tamilnadu participated in the quiz.

An online guest lecture on 'Motivational Talk for Bridge Course - The Skills You Need For Tomorrow's Job' was conducted on 20th July 2020 for our students. The chief guest Dr.V.Jayakumar, Associate Professor and Chairperson, Department of Mechanical Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Chennai Campus discussed the following topics: Basic things a Mechanical Engineer to Concentrate, Importance of Communication Skills, Innovative Thinking, Improving Skills, Deep Learning, Employability Skills, Employment opportunities, Present scenario, Post Covid Scenario for our Students.



Online Guest Lecture on 'Motivational Talk for Bridge Course - The Skills You Need For Tomorrow's Job'

A Guest Lecture on 'Production Systems- Now Ongoing & Future' was conducted through online mode on 19th September 2020. The resource person Mr. Subramanya Abiram Kathiresan, MES Engineer, Abbott Diabetes Care Ltd, Donegal Ireland, delivered a lecture on the following topics: Modern Manufacturing Methodology, Modern Quality Control, Industrial Automation, Six Sigma, Flexible Manufacturing System, Enterprise Resource Planning, Growth of Automations, Regressive Testing, Industry 4.0,



Guest Lecture on 'Production Systems- Now Ongoing & Future'

Virtual Reality, Augmented Reality. A total of 49 members participated in the guest lecture.

A Guest Lecture on 'Aerospace Design' was conducted through online mode on 26/09/2020. The resource person 'Mr.Sriramkumar Sivasubramanian', Design Engineer, ZIM Flugsitz GmbH, Schwerin, Germany, delivered a lecture on the following topics: History of flying, aeronautics, astronautics, avionics, basic forces in aircraft, kinematics of an aircraft, practical challenges, current research frontiers. A total of 87 members participated in the guest lecture.



Guest Lecture on 'Aerospace Design'

Mr.T.Muthukrishnan, Assistant Professor(O.G), pursuing Ph.D submitted Confirmation of Provisional Registration on his research area 'Experimental investigation on Magnetically Impelled Arc Butt Welding of Ferrite Stainless Steel tubes' on 10th September 2020..

Dr.K.Sivakumar, Associate Professor & Head participated in the World's largest one week Hands-On Faculty Development Programme on 'Artificial Intelligence using Python' organised by Brainvision Solutions India Pvt Ltd & National Youth Council of India held from 14th September 2020 to 19th September 2020.

Dr.K.Sivakumar, Associate Professor & Head participated in AICTE Training and Learning (ATAL) Academy Online FDP on Energy Engineering from 17th September 2020 to 21st September 2020 at Vellammal Engineering College.

Mr.R.Srinivasan, Assistant Professor(Sr.G) delivered an expert lecture on National Level Webinar on Non Destructive Testing at SMK FOMRA Institute of Technology on 19th September 2020.

Mr.K.Arumugam, Assistant Professor(Sr.G) received an appreciation Certificate from NPTEL for translating the files of the course 'Rapid Manufacturing 112104265' to Tamil language from IIT Kanpur.

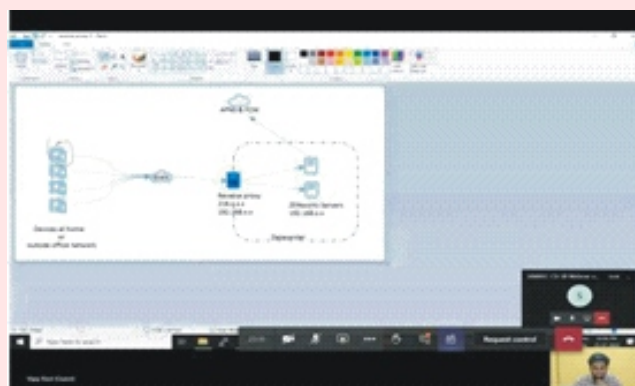
Dr.K.Sivakumar, Associate Professor & Head published an article on 'Experimental investigation on emissivity of 75Ni-25Cr alloy coated Aluminium surface for the purpose of solar applications' in Materials Today Proceedings, <https://doi.org/10.1016/j.matpr.2020.06.500>.

Sudalai Suresh Pungaiyah and Chidhambara Kuttalam Kailasanathan, 2020, published paper on 'Thermal Analysis and Optimization of Nano coated Radiator Tubes using Computational Fluid Dynamics and Taguchi Method', MDPI Coatings 2020, 10, 804; DOI:10.3390/coatings10090804. ISSN: 2079-6412.

Suresh Pungaiyah S and Kailasanathan C, 2020, published a paper on 'Design of a Nano Coated Heat Exchanger working with Organic Nanofluids using Hybrid Technique', Transactions of the Canadian Society for Mechanical Engineering, DOI:10.1139/tcsme-2020-0080. ISSN: 0315-8977.

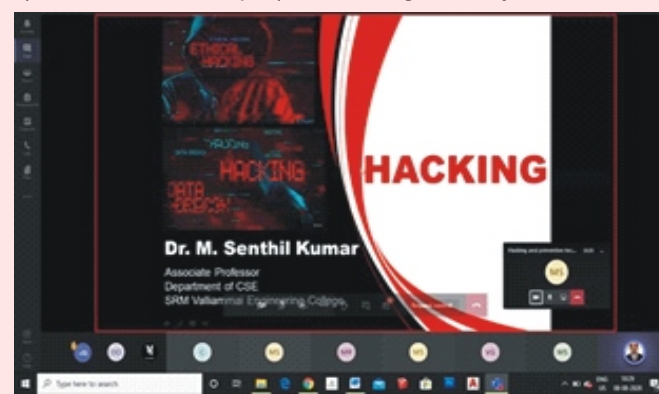
Computer Society of India SRMVEC Student Branch

The SRMVEC CSI Student Branch organized a Webinar on 25th of July, 2020 (05.00 pm to 06.30 pm). It was a good way to make use of the time in the quarantine period. The webinar was about "Packaging and Deploying a Web Application". Around 90 students have registered and got benefitted. The speaker was Mr.R.Vijay, Full Stack Developer (Freelancer), Alumnus of CSE Department & Past Event Manager of SRMVEC CSI Student Branch. He was working as an associate Software Engineer in Gamasome Company. The students got to know about packing and deployment of a web application by a domain. The students got the opportunity to clear the doubts based on packing and deploying a web application and everyone enjoyed the session as it was interactive.



The support of Dr.B.Chidambararajan (Principal, SRMVEC), Dr. M. Murugan (Vice Principal, SRMVEC) and Dr. B. Vanathi (HOD, Department of CSE) gave the platform for the students. The guidance of CSI Staff Coordinators Dr.M.Senthil Kumar (Assoc. Prof., Department of CSE), Dr.S.Ravikumar (AP, Department of IT) and Mr.V.Santhana Marichamy (AP, Department of General Engineering) brought the webinar to the maximum success.

The SRM Valliammai Engineering College Computer Society of India Student Branch organized a National Level Webinar on Hacking And Its Preventive Techniques (Hands - on Training) on 8th August, 2020 (10.00 am to 12.30pm). It was a good way to make use



Department of Master of Business Administration

Dept. of Management Studies under the Student Project Scheme of TNSCST, Government of TamilNadu organised a 'Solid Waste Management Awareness Programme' for the Municipal Workers of Chengalpattu Taluk on 29th July 2020 . Final year MBA Students Mr. A. Jayanth and Mr. K. Akshay under the guidance of Mr. K. Guru, Assistant Professor of the Department organised the event. Mr. B. Sathish Kumar, Assistant Director of Medical and Rural Health addressed the gathering of 88 Municipal workers on SWM and Health Awareness.

A Career Development Programme 'Future Forward: Strategies for the New Normal' was organised by the Dept. of Management Studies in association with the Internal Quality Assurance Cell and the department students club MANASSO on 7th August 2020. The Chief Guest of the session Mr. Raj Prabakar, Founder and CEO, FYMC (Pvt) Ltd, Chennai delivered the lecture. The session focused on the initial challenges that would be faced by fresh graduates in the new normal. More than 600 Students of Final Year and Pre-final Year Engineering and MBA participated and benefitted from the programme.

Department of Management Studies in association with the Institution Innovation Council, MHRD, Government of India organized a guest lecture 12th September 2020 for the final year MBA students. Alumni of the Department Mrs. Madhumita Ravi, Regional HR, Kuehne Nagel delivered a lecture on 'Millennials to Millionaires The HR Trend'.

Department of Management Studies, SRM Valliammai Engineering College in association with Computer Society of India (Division IV) organised an International Online Webinar on 'Innovation in Entrepreneurship' on 23rd September 2020. Dr. Malaya Nayak, Executive Director, IT Buzz Ltd, London addressed the students. Dr. B. Chidambararajan, Principal, Dr. M. Murugan, Vice Principal, Heads of Departments, faculty and around 185 participants from various departments registered and participated in the event.

Department of Management Studies in association with the Institution Innovation Council, MHRD, Government of India organized an International Alumni Guest Lecture on 'Career Planning' on 25th September 2020. Mr. Deepak Suriya, Managing director, D Studio, Chennai and founder Photography Asia, Singapore and Ms. Shaalika Sylvester, Innovation coordinator, the Indian school, UAE delivered the lecture.

Dr. Radha Ganeshkumar, Head of the Department, received the 'Best Teacher Award' (Management) Universal Innovators Leadership Award (UILA 2020) in association with NIT Patna and University of Valladolid.

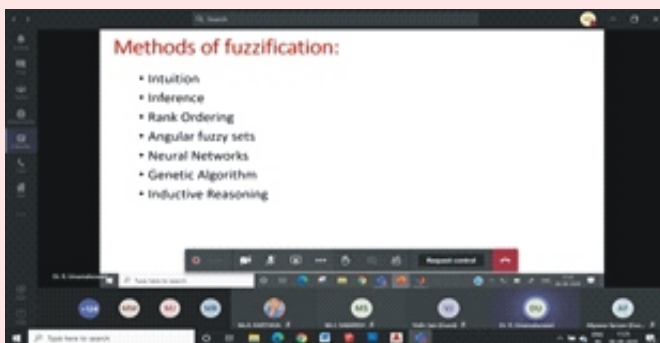
Dr. S. Raja, Assistant Professor, received the 'Young Researcher Award' (Human Resource Management) Universal Innovators Leadership Award (UILA 2020) in association with NIT Patna and University of Valladolid.

CSI SRM Valliammai Engineering College organized a National level webinar on the topic 'The Bright Side of Covid-19 on July 23rd 2020 . The Resource Person was Dr. B. Chidhambarajan, Chairperson, Division IV Principal, SRM Valliammai Engineering College.

of the time in the quarantine period. More than 25 candidates have registered and got benefitted. The speakers were Dr. M. Senthil Kumar, Assoc. Prof., SRM VEC, Mr. R. Sankaranarayanan, AP, SRM VEC & Mr. G. Vivekanandan, AP, SRM VEC. The candidates got to know about how data is hacked. The candidates had a basic hands on training on various tools and techniques used to prevent hacking. The students got the opportunity to clear the doubts based on Hacking and everyone enjoyed the session as it was interactive.

The support of Dr. B. Chidhambara Raja (Principal, SRMVEC), Mr. M. Murugan (Vice Principal, SRMVEC) & Dr. B. Vanathi (HOD, Department of CSE) gave the platform for the students. The guidance of CSI Staff Coordinators Dr. M. Senthil Kumar (Assoc. Prof., Department of CSE), Dr. S. Ravikumar (AP, Department of IT) and Mr. V. Santhana Marichamy (AP, Department of General Engineering) brought the webinar to the maximum success.

The SRM Valliammai Engineering College Computer society of India student branch in association with division IV - computer Society of India, organized a National Level Webinar on 6th of September 2020 (11.00 pm to 12.30 pm). In this pandemic time it was a good opportunity to gain more knowledge and utilize time effectively. The webinar was about "Mobile Robots Fuzzy Approach". Around 150 students have registered and got benefited. The speaker was Dr. R. Uma Maheshwari, AP, EIE, SRM VEC. She specializes herself in the core area of soft computing techniques. She is an innovative person with deep knowledge in Artificial Intelligence, Neuro-fuzzy systems and IoT. The students got to know about the basics of fuzzy logics and mobile robots. The students got the opportunity to clear the doubts based on basic fuzzy logic and mobile robots based on fuzzy rules and everyone enjoyed the session as it was interactive and informative.



The support of Dr. B. Chidambararajan (Principal, SRMVEC), Dr. M. Murugan (Vice Principal, SRMVEC) and Dr. B. Vanathi (HOD, Department of CSE) gave the platform for the students. The guidance of CSI Staff Coordinators Dr. M. Senthil Kumar (Associate Professor, Department of CSE), Dr. S. Ravikumar (Assistant Professor, Department of IT) and Mr. V. Santhana Marichamy (Assistant Professor, Department of General Engineering) brought the webinar to the maximum success.

Dr. V. Selvalakshmi, Assistant Professor received the 'Young Researcher Award' (Management Studies) Universal Innovators Leadership Award (UILA 2020) in association with NIT Patna and University of Valladolid.

Mr. K. Guru, Assistant Professor, received the 'Best Young Faculty Award' from Novel Research Academy.

Mrs. A. UmaDevi, Assistant Professor, Department of Management Studies, got certified as 'Microsoft Innovative Educator' under the Microsoft Certified Educator Program.

Mr. K. Guru, Assistant Professor, Department of Management Studies successfully completed the NPTEL course Translation for Operations Management in regional language.

General Engineering

Mr.S.K.Saravanan, AP(Sel.G) published a research paper titled 'Credit Card Skulduggery Detection System Using Machine Learning Techniques' in the International Journal of Engineering & Scientific Research with the ISSN No: 2347 6532, Volume 9, issue 09, September 2020.

Mr.S.K.Saravanan, AP(Sel.G), Mr. M. Asan Nainar, AP(Sel.G) and Dr.D.Sridevi, AP(Sen.G) attended 'Online FDP on Data Sciences' conducted by AICTE Training And Learning (ATAL) Academy.

The department staff attended the following events through webinar given as consolidated.

FDP - 25, STTP - 3, Workshop - 4, Online Quiz - 3, VAC - 5, Webinar - 128.

Department of Placement and Career Guidance

- Kaar Technologies online campus drive held in the month of July 2020.
- AVASOFT online campus drive held on 10.08.2020 and 2 candidates were selected.

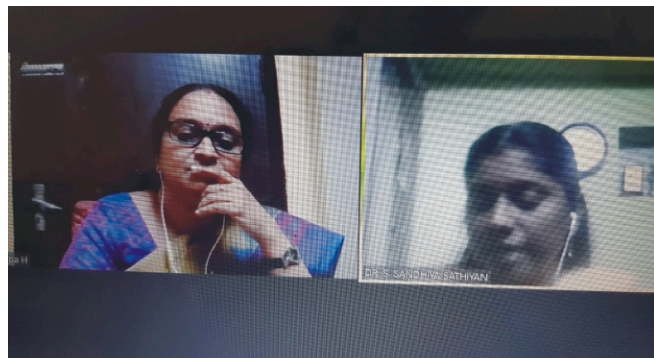
During the period, the following online training programmes were organized via Microsoft Teams for the 2021 Batch students.

- Aptitude training conducted by FACE from 12.09.20 to 16.09.2020
- Soft Skill conducted by ProWhiz from 17.09.20 to 21.09.20
- HR Techniques by ProWhiz on 22.09.20
- Technical training conducted by Vformations from 17.09.20 to 22.09.20
- Mock GD & Interview conducted by Vformations from 23.09.20 to 25.09.20.
- ACCENTURE conducted 'Accenture Pre-Placement Connect 2020' on 22nd September 2020.

Department of English

Mr. Abhishek David John Asst Prof,(O.G) was the resource person in a webinar titled 'Evolving Trends in English Language Research' organized by Sri Kanyaka Parameswari Arts Science College for Women on 29th July 2020.

Ms. Sheeba Manodh, Asst Professor/Sr.G, was the resource person for National Webinar titled 'Exploring Avenues of Testing English language Skills' organized by School of Humanities, Department of English Hindustan College of Arts and Science on 13th August 2020.



Department of Physics

The faculty members of the Department of Physics have attended the following events.

Webinars - 60, e-quiz - 15, value added courses - 18, faculty development programme - 6 and workshop - 1.

Department of Mathematics

Mrs.B.Vasuki/AP (O.G) published a paper 'Double duplication of path and cycle related graphs', in GEDRAG & ORGANISATIE REVIEW,Volume 33 : Issue 02, PP 2934-2943, July 2020.

Mrs.A. Karpagam/ AP(O.G) and Dr. V. Vijayalakshmi /AP(Sl.G) published a paper 'New Tactic of Cubic Spline Interpolation with Trapezoidal Fuzzy Numbers', in GEDRAG & ORGANISATIE REVIEW,Volume 33 : Issue 03 , PP 112-118, July 2020

Dr.T.Isaiyarasi / AP (Sl.G) , was the resource person in the National Webinar organized by Department of Mathematics with computer Applications, D.G.Vaishanv College and delivered a lecture on 'An overview of Cryptography' on 20.09.2020

The Mathematics Association 'EULER.COM' organized a National Webinar on the 'Applications of Monotonic Functions in Modelling lifetime Data' on 20th September 2020. The webinar was delivered by Dr.S.Alamelu, Associate Professor, Department of Mathematics, S.D.N.B Vaishnav College for Women, Chrompet, Chennai. Resource person highlighted the importance of measures of Reliability Engineering, Applied pilve's calculus as tool showed the practical applicability in real life situation. The main objective of the content was to discuss the hypothalamic pituitary adrenal axis.

The Faculty members attended totally 37 - Webinars, 11-FDPs, 4 - Workshops, 3 - Quiz Programmes and one conference.

Department of Chemistry

Dr. L. Devaraj Stephen participated in the International Faculty Development Programme on 'Advancements in Applied Chemistry' organized by St. Joseph's College of Engineering and Technology, from 6th July to 8th July 2020.

Dr. S. G. Gunasekaran and Mr. V. Arivalagan participated in a One Week Workshop on 'Materials Technology Advancement in Current Scenario - MTACS2020' organised by the Department of Physics, Sathyabama Institute of Science and Technology, Chennai through Zoom Video Communications from 4th to 10th July 2020.

Dr. L. Devaraj Stephen participated in a six day Faculty Development Programme on 'Nanomaterial Synthesis, Process, Characterization and its Functional Applications' organized at Hindusthan College of Engineering and Technology, Coimbatore from 6th to 11th July 2020.

Dr. L. Devaraj Stephen, Dr. N. Jayaprakash, Dr. J. Krishnamurthi, Mr. V. Arivalagan and Dr. S. G. Gunasekaran successfully completed a short course on 'Learn to Design your own Solar Home System' organized by Energy Swaraj Foundation in association with SRM Valliammai Engineering College in the month of July 2020.

Dr. L. Devaraj Stephen completed a National Level Virtual Training on ICT Competency for Higher Education Teachers from 13th July 2020 to 15th July 2020 offered by Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.

Dr. S. G. Gunasekaran and Dr. P. Maheswari participated in Faculty Development Programme on 'Prospective Research for Sustainable Development' organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89, in association with Association of Chemistry Teachers (ACT), Mumbai from 20th to 24th July, 2020.

In the International Conference on Recent Innovations in Science, Engineering and Technology- (ICRISET) organized at Jeppiaar Institute of Technology from 24.07.2020 to 25.07.2020, the Staff noted below presented papers.

- Dr. L. Devaraj Stephen presented a paper on The Effects of Binary Solvent Interaction on $\text{CoIII}(\text{tn})_2\text{Cl}(\text{L})_2+$ with Visible-light Irradiated Titania Photocatalyst.

- Dr. N. Jayaprakash presented a paper on Synthesis, characterization and their applications of ZnO Nanoplates

- Dr. S. G. Gunasekaran presented a paper on Carbazole Pendent Cyanate Ester co-cured skeletal modified Maleimide End capped Benzoxazine Hybrid Blend

- Dr. J. Krishnamurthi presented a paper on Anion Responsive Urea Tacked Polymer Gels for the Detection of Fluoride Ion

- Dr. P. Maheswari presented a paper on Preparation and Performance of Cellulose Coated Hollow Fiber Membrane

- Mr. V. Arivalagan presented a paper on Nanosilica Reinforced Imine Skeletal Arene Based Polybenzoxazine (nSiO_2/PBZ) Nano Composites

- Ms. M. Meera presented a paper on Multi-Walled Carbon Nanotube reinforced Cardanol pendent Thiophenyl end capped Imine skeletal Polybenzoxazine (MWCNT/PBZ) Nanocomposites from Cashewnut Shell Liquid.

Dr. L. Devaraj Stephen, Dr. N. Jayaprakash, Mr. V. Arivalagan, Dr. S. G. Gunasekaran and Dr. P. Maheswari participated in the International Web Conference on 'Recent Trends in Scientific Research' organized at Dr. Ambedkar Government Arts College, Chennai and Tamilnadu State Council for Science and Technology held on 3rd & 4th August 2020.

In the International Virtual Conference on 'Advances in Chemical Sciences-2020' organized at Easwari Engineering College, Chennai held on 13th & 14th August 2020, the Staff noted below presented papers.

- Dr. L. Devaraj Stephen presented paper on Chelation Precipitation Process with Photoreduction of $\text{CoIII}(\text{tn})_2\text{Cl}(\text{L})_2+$ for Heavy Metal Complexes Wastewater Treatment

- Dr. N. Jayaprakash presented paper on One-step synthesis and characterization of ZnO nanoplates

- Dr. S. G. Gunasekaran presented paper on Nanotitania Reinforced Imine Skeletal Polybenzoxazine (nTiO_2/PBZ) Nanocomposites

- Dr. J. Krishnamurthi presented paper on Catalytic Enantioselective Intermolecular Cycloaddition of Diazoketoester with Allenes Using Chiral Dirhodium(II) Carboxylate

- Dr. P. Maheswari presented paper on Effect of macromolecular additives on poly (ether- ether-sulfone) ultrafiltration membranes prepared for selective separation of binary solutions

- Mr. V. Arivalagan presented paper on "Dispersion Studies of Nanosilica Reinforced Imine Skeletal Polybenzoxazine (nSiO_2/PBZ) Nano Composites

- Ms. M. Meera presented paper on Design and development of Polybenzoxazine reinforced Cardanol pendent Thiophenyl end capped Imine skeletal Titanium dioxide (PBZ/TiO_2) Nanocomposites.

Dr. L. Devaraj Stephen successfully completed an online course titled 'Work Smarter, Not Harder: Time Management for Personal & Professional Productivity' offered through Coursera Certification by University of California, Irvine Division of Continuing Education, on 20th August 2020.

Dr. N. Jayaprakash participated in the International Virtual Faculty Development Programme on 'Recent Trends on Current Science and Technology' organized at Easwari Engineering College, Chennai held from 24th to 28th August 2020.

Dr. N. Jayaprakash participated in International Virtual faculty Development Programme on Applications of Advanced Materials and Technologies in Chemical Sciences at Easwari Engineering College, Chennai held from 31st August 2020 to 4th September 2020.

Dr. S.G. Gunasekaran and Dr. N. Jayaprakash successfully completed the AICTE Training and Learning (ATAL) Academy Online FDP on 'Leadership & Excellence' from 25th September 2020 to 29th September 2020 at Alagappa University.